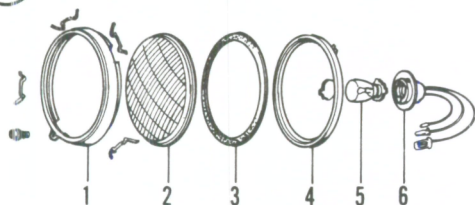
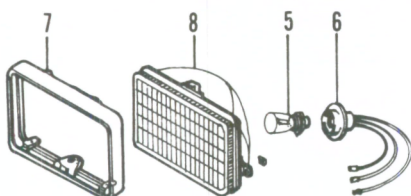


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ATC90, 1979-1980 ATC110

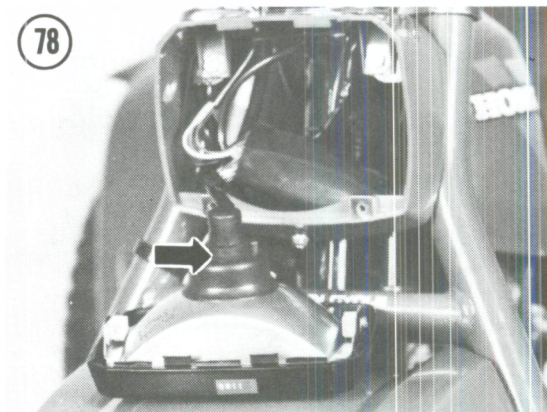


1981-ON ATC110, ATC125M

**HEADLIGHT ASSEMBLY**

1. Trim bezel
2. Lens
3. Gasket
4. Inner rim
5. Headlight bulb
6. Bulb socket
7. Trim bezel
8. Headlight lens unit

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5. Slide off the rubber protective boot.
6. Remove the nuts and washers and disconnect both electrical wires from the top terminals of the solenoid.
7. Remove the solenoid from the rubber mount on the frame.
8. Replace by reversing these removal steps. Make sure all electrical connections are tight.

Testing

1. Disconnect the electrical connectors going to the starter solenoid.
2. Connect a 12 volt battery to the electrical connector containing 2 wires (one green/red and one yellow/red).
3. Check for continuity using an ohmmeter set at $R \times 1$. Measure between the connector bolts on top of the solenoid. There should be continuity (low resistance).
4. If there is no continuity, the solenoid is faulty and must be replaced.

**LIGHTING SYSTEM
(MODELS SO EQUIPPED)**

The lighting system consists of a headlight and a taillight. **Table 4** lists replacement bulbs for these components.

Always use the correct wattage bulb as indicated in this section. A larger wattage bulb will give a dim light and a smaller wattage bulb will burn out prematurely.

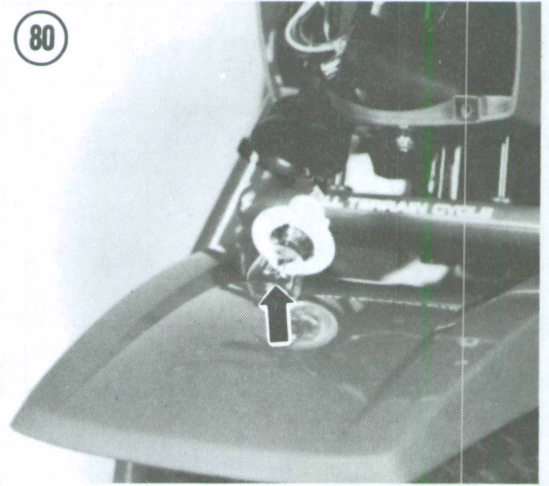
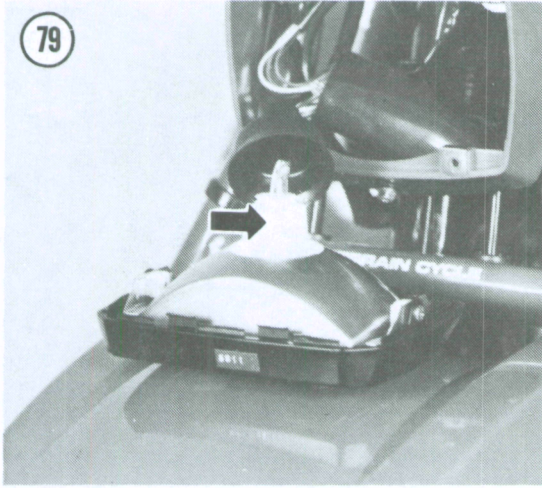
Headlight Replacement

Refer to **Figure 76** for this procedure.

1. Remove the screw(s) (**Figure 77**) securing the headlight assembly to the case.
2. Pull out on the bottom of the headlight assembly and disengage it from the locating tab on top of the headlight housing.
3. Pull back the rubber boot (**Figure 78**).

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4. Push down on the headlight bulb socket (Figure 79), turn it counterclockwise and remove the bulb socket from the reflector.

5. Remove the light bulb (Figure 80) from the bulb socket.

6A. On ATC90 and ATC110 models, remove the retaining clips securing the lens units to the trim bezel.

6B. On ATC125M models, remove the adjusting components and remove the screws and nuts on each side of the lens unit securing the lens unit to the trim bezel.

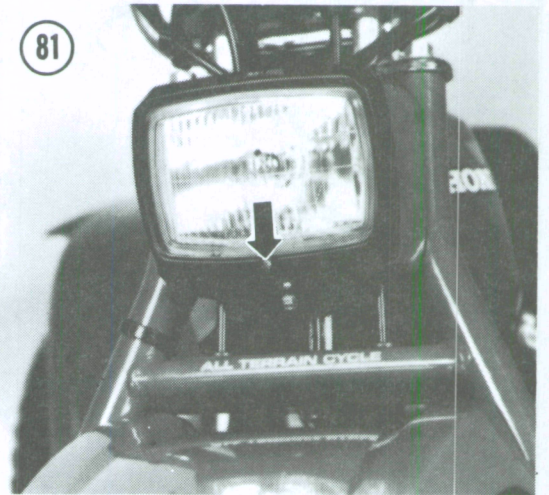
7. Remove the lens unit from the trim bezel.

8. If the lens unit is dirty, wash out the inside and outside with a mild detergent and wipe dry. Blow out the inside with compressed air or let it sit until it is completely dry before installing the bulb.

9. Assemble by reversing this sequence.

10. Install by reversing these removal steps.

11. On ATC125M models, adjust the headlight as described in this chapter.



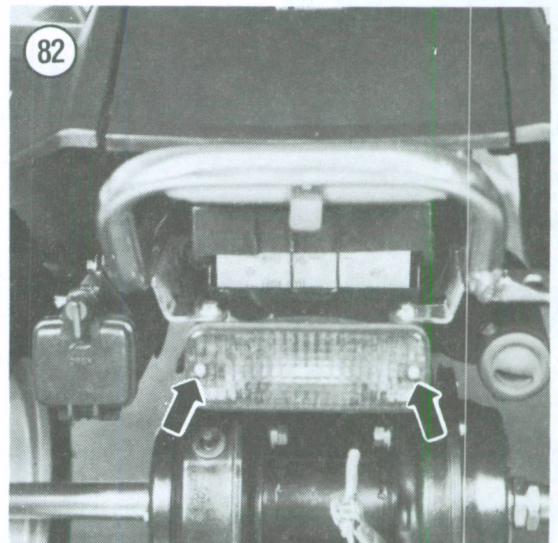
Headlight Adjustment (ATC125M)

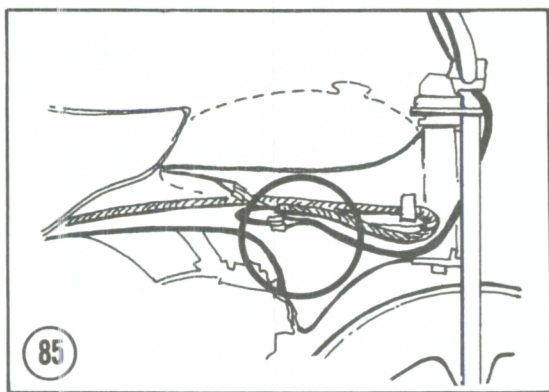
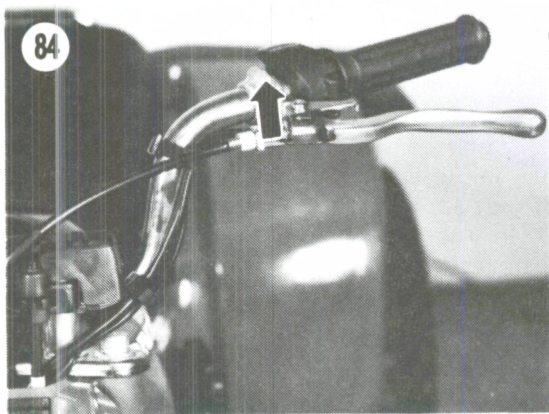
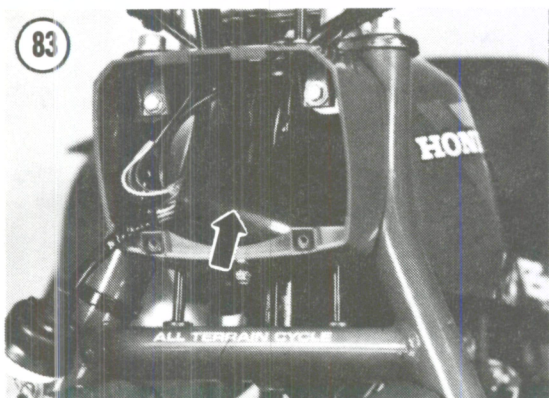
Adjustment is limited to vertical changes. Adjust to your own personal preference. Turn the screw (Figure 81) at the base of the headlight trim bezel. There are as yet no regulations on headlight adjustment for off-road use.

Taillight Replacement

1. Remove the screws securing the lens (Figure 82) and remove the lens.

2. Wash out the inside and outside of the lens with a mild detergent and wipe dry. Wipe off the reflective base surrounding the bulb with a soft cloth.





3. Inspect the condition of the lens gasket and replace if it is damaged or deteriorated.
4. Replace the bulb and install the lens; do not overtighten the screws as the lens may crack.

Neutral Indicator Light Replacement (ATC125M)

1. Carefully pull the neutral indicator light/socket assembly out of the bottom left-hand side of the handlebar upper holder.

2. Replace the defective bulb.
3. Install by reversing these removal steps.

SWITCHES

Engine Kill Switch, Light Switch and Starter Switch

Removal/Installation

(1982-on ATC110 and ATC125M)

1. Remove the headlight lens unit as described in this chapter.

NOTE

Follow the electrical wires from the switch housing into the backside of the headlight case. Gently pull on the wire outside of the headlight case and watch which one moves within the headlight case. Disconnect those wires and continue until all wires going to the switch assembly are disconnected.

2. Within the headlight housing, disconnect from the wiring harness all electrical wire connectors (Figure 83) going to the combination engine kill switch/light switch/starter switch (starter on ATC125M only).
3. Pull the wires out through the rear of the headlight case.
4. Remove the screws securing the combination switch (Figure 84) to the handlebar and remove the switch assembly.
5. Install a new switch assembly by reversing these removal steps. Make sure all electrical wires are tight.

Engine Kill Switch Removal/Installation (All Other Models)

- 1A. On models equipped with a headlight, perform the following:

- a. Remove the headlight lens as described in this chapter.
- b. Within the headlight housing, disconnect from the wiring harness the 2 electrical wire connectors going to the engine kill switch.
- c. Remove the engine kill switch electrical wires from the headlight housing.

- 1B. On models without a headlight, perform the following:

- a. Remove the fuel tank as described in Chapter Six.
- b. Disconnect from the wiring harness the 2 electrical wire connectors (Figure 85) going to the engine kill switch.

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